# Air Force Glossary



**Air Force Doctrine Document 1-2** 

9 July 1999 (May 2003 update)

This document complements related discussion found in Joint Publications (JP) 1-02, Department of Defense Dictionary of Military and Associated Terms.

# AIR FORCE GLOSSARY SUPPLEMENT

# **TO JP 1-2**

#### Introduction

## **PURPOSE**

This publication has been prepared under the direction of the Chief of Staff of the Air Force (CSAF). It sets forth terms and definitions as well as abbreviations and acronyms for use within the United States Air Force (USAF). It describes the objectives of the USAF Military Terminology Standardization Program, assigns program responsibilities, and states the policies and procedures for standardizing terminology.

# **Application**

This Air Force Doctrine Document (AFDD) applies to terminology used by all active duty, Air Force Reserve, Air National Guard, and civilian Air Force personnel. USAF terminology herein is to be used without alteration unless a distinctly different context or application is intended.

# Scope

AFDD 1-2, Air Force Supplement to the DOD Dictionary of Military and Associated Terms, lists terminology that has been standardized for use within the USAF. AFDD 1-2 is a consolidated list of terms, definitions, abbreviations, and acronyms from all approved AFDDs. AFDD 1-2 supplements Joint Publication (Pub) 1-02, Department of Defense Dictionary of Military and Associated Terms. Therefore, AFDD 1-2 does not contain terminology which duplicates entries in Joint Pub 1-02. AFDD 1-2 contains two categories of terminology:

- USAF terminology which supplements Joint Pub 1-02. This terminology applies only to the USAF and is offered for clarity.
- USAF unique terminology.

#### **Joint Doctrine**

This document is consistent with, and complements, Joint Pub 1-02, Department of Defense Dictionary of Military and Associated Terms. This publication implements Department of Defense Directive (DODD) 5025.12, Standardization of Military and Associated Terminology, which directs the use of Joint Pub 1-02 throughout the Department of Defense (DOD) to ensure uniformity in the use of terms and definitions.

# **Chapter One**

# **Air Force Terminology Standardization Program**

# **Objective**

The objective of the Air Force Terminology Standardization Program is to enhance communication through a common understanding of terms and definitions that are of general military or associated significance.

## **Standardization Program**

The USAF participates in terminology standardization at the unilateral, joint, and multinational levels. Collectively, these programs are referred to as the Air Force Terminology Standardization Program.

#### USAF

The USAF terminology standardization program provides terminology peculiar to the USAF mission. Approved terms, definitions, abbreviations, and acronyms are published in AFDD 1-2. An interactive version of this document can be accessed at the HQ Air Force Doctrine Center home page: http://usafdoctrine.maxwell.af.mil/

#### **Joint**

The DOD terminology standardization program is carried out under the direction of the Joint Chiefs of Staff, in coordination with the Office of the Secretary of Defense, the Military Services, and the Defense Agencies. Approved terms and definitions are published in Joint Pub 1-02, Department of Defense Dictionary of Military and Associated Terms. This publication can be accessed from the HQ Air Force Doctrine Center home page or at the DOD Dictionary web site: http://www.dtic.mil/doctrine/jel/doddict/

#### North Atlantic Treaty Organization (NATO)

The NATO terminology standardization effort is an integral part of an overall NATO Standardization Program administered by the NATO Military Agency for Standardization (MAS). The United States is a signatory to NATO Standardization Agreement (STANAG) 3860. Under the provisions of STANAG 3860, AAP-6, *NATO Glossary of Terms and Definitions*, is established as the authoritative NATO terminology reference, and member nations agree to use the terms and definitions published therein. AAP-6 can be accessed from both the HQ

Air Force Doctrine Center home page, and the DOD Dictionary web site.

#### **Air Standardization Coordinating Committee (ASCC)**

The ASCC nations include the United States, United Kingdom (UK), Canada, Australia, and New Zealand. The objective of the ASCC terminology standardization program is to ensure member nations are able to fight side-by-side as airmen in combined operations. ASCC nations accept *The Concise Oxford Dictionary* (COD) and subscribe to the use of Air Standard 85/1, *Glossary of Terms and Definitions* and AAP-6, *NATO Glossary of Terms and Definitions*. AFDD 1-2 implements Air Standard 85/1, *Glossary of Terms and Definitions*.

## Responsibilities

#### The Air Force Terminologist will:

- Manage the Air Force Military Terminology Standardization Program by providing for its central direction, policy development, control and administration.
- Maintain a comprehensive knowledge of military terminology standards, Air Force regulations, DOD directives, NATO regulations and other appropriate federal directives effecting current and proposed USAF terminology.
- Represent the USAF in DOD and international terminology standardization conferences and meetings.
- Review all USAF and major command-level publications with glossaries for terminology standardization.
- Coordinate, develop, and document the USAF position on terminology proposals from the DOD and international communities.
- Compile proposals to change AFDD 1-2, and present these proposals at the semi-annual Air Force Doctrine Working Group (AFDWG).
- Maintain all USAF terminology standardization databases, programs, and regulations.

#### Commanders at all echelons will:

- Ensure terms, definitions, abbreviations, and acronyms used in USAF publications are consistent with terminology in this document and Joint Pub 1-02.
- Submit proposals to change AFDD 1-2 in accordance with procedures outlined in this publication.
- Submit USAF and major command-level publications with glossaries to the Air Force Terminologist (HQ AFDC/AFL;

1480 Air Force Pentagon; Washington, DC 20330-1480) for coordination in accordance with Air Force Instruction (AFI) 33-160, *The Air Force Publications Management Program*.

# Changes to AFDD 1-02

AFDD 1-2, Air Force Supplement to the DOD Dictionary of Military and Associated Terms, is a living document and can be accessed at the HQ Air Force Doctrine Center home page:

http://usafdoctrine.maxwell.af.mil/. AFDD 1-2 will be revised and promulgated in accordance with the timeline in AFI 10-1301, *Air and Space Doctrine*. Changes will be posted periodically to the on-line version of AFDD 1-2 and will normally occur in conjunction with the approval of AFDDs.

Proposals for changes to AFDD 1-2 outside of the normal AFDD development process may be submitted to the USAF Terminologist on a limited basis. Changes will be approved in this manner only when there is not an applicable AFDD in development. Table 1.1. contains the criteria for the three types of proposed actions. Proposals should include the elements listed in Table 1.2. The Air Force Terminologist will consolidate and present proposals at the semi-annual AFDWG. The AFDWG will vote to accept or reject the proposal in accordance with AFI 10-1301.

ACTION	CRITERIA
Add	Term is not adequately defined in a standard dictionary or Joint Pub 1-02, <i>DOD Dictionary of Military and Associated Terms</i> . Term is of general USAF significance. A technical or specialized term should be proposed only if it can be defined in easily understood language and its inclusion is of general importance.
Change	Term is incorrectly defined in AFDD 1-2.
Delete	Term is adequately defined in a standard dictionary. Term has been defined in Joint Pub 1-02, <i>DOD Dictionary of Military and Associated Terms</i> . Term is of a technical or specialized nature and is not defined in easily understood language.

Element	Information
Action	See Table 1.1.
Criteria	See Table 1.1.
"Proposed" term and definition, acronym, or abbreviation	Definitions should not contain abbreviations, acronyms, or the term itself.
Source	AFDDs.
Associated Publications	Joint Pubs, AFDDs, etc.
Rationale	Justification for the action.
Originator	Point of contact, organization, phone, fax.

Abbreviations and Acronyms Definitions

#### **GLOSSARY**

# **Abbreviations and Acronyms**

**AAF:** Army Air Forces

**ACS:** agile combat support

ADAPT: Alcohol and Drug Abiuse Prevention and Treatment

**AECT:** aeromedical evaluation control team

**AEF:** Air and Space Expeditionary Force [formerly used and obsolete: Aerospace Expeditionary Force}

**AEFC:** Air and Space Expeditionary Force Center [formerly used and obsolete: Aerospace Expeditionary Force Center]

**AEG:** Air Expeditionary Group [formerly used and obsolete: Aerospace Expeditionary Group]

Air and Space Expeditionary Task Force [formerly used and **AETF:** obsolete: Aerospace Expeditionary Task Force, and (ASETF) Air and Space Expeditionary Task Force]

**AEW:** Air Expeditionary Wing [formerly used and obsolete: Aerospace Expeditionary Wing]

**AFAC:** airborne forward air control

**AFCW:** Aerospace Future Capabilities Wargame

**AFMETL:** Air Force mission essential task list

**AFMLOC:** Air Force Medical Logistics Operation Center

**AFNOC:** Air Force Network Operations Center

AFRAT: Air Force radiation assessment team

**AFRL:** Air Force Research Lab

**AFSCN:** Air Force Satellite Control Network

**AFSOF:** Air Force special operations forces

**AFSP:** Air Force Strategic Plan

**AFSST:** Air Force Space Support Team

**AFT:** Air Force task

**AFTL:** Air Force task list

 $\label{eq:AFTTP} \textbf{AFTTP(I):} \ \, \mbox{Air Force Tactics, Techniques, and Procedures} \\ \mbox{(Interservice)}$ 

**AI:** air interdiction

**ALC:** Air Logistics Center

ALCM: air launched cruise missile

**AMCT:** air mobility control team

**AOC:** air operations center [JP 1-02] air and space operations center [USAF]

**ARRS:** air rescue and recovery service (formerly aerospace rescue and recovery service)

**ASC:** air support center

**AU:** Air University

**BAT:** biological augmentation team

**BCE:** base civil engineer

**BDC:** blood donor center

**BEE:** Bioenvironmental Engineer

**BEMRT:** Basic Expeditionary Medical Readiness Training

**BOS:** battlefield operating system

**CALFEX:** Combined Arms Live Fire Exercise

CAOC: combined air operations center (JP 1-02) combined air and

space operations center {USAF}

**CCATT:** critical care air transport team

CCD: camouflage, concealment, and deception

**CETS:** civilian engineering technical survey

combined force air component commander (JP 1-02)

**CFACC:** combined force air and space component commander

{USAF}

**CHAT:** Chemically Hardened Air Transportable Hospital

**CI**: counterinformation

Commander in Chief, President of the United States CINC: [formerly used and obsolete: commander in chief of combatant or unified commands, correct use is commander of a combatant command]

CISR: chief of intelligence, surveillance, and reconnaissance

**CNA:** computer network attack

COG: centers of gravity

**COMSPACEAF:** Commander, Space Air Force Forces

**COT:** Commissioned Officer Training

**CR:** combat recovery

**CTS:** course training standards

**CW(P):** composite wing (provisional) [formerly used and obsolete]

**DACT:** Dissimilar Air Combat Training

**DATCALS:** Deployable Air Traffic Control and Landing System

DCA: defensive counterair

**DCI:** defensive counterinformation

**DCI:** defensive counterinformation

**DCS:** defensive counterspace

**DIW:** defensive information warfare

**DMC:** deployed medical commander

**DP:** Office symbol for Personnel

**EAS:** expeditionary airlift squadron

**EBS:** expeditionary bomber squadron

**ECATT:** expeditionary critical air transport team

**EEI:** essential elements of information

**EFS:** expeditionary fighter squadron

EMEDS+10: expeditionary medical support with 10 Beds

**EMEDS+25:** expeditionary medical support with 10 Beds

**EML:** expeditionary medical logistics

**EMRC:** Expeditionary Medical Readiness Course

**EOC:** Expeditionary Operations Center

EWR: early warning receiver

**FAP:** Family Advocacy Program

**FDS:** foundational doctrine statement

FMT: foreign military financing

FWA: fraud, waste, and abuse

**GE:** Global Engagement

**GEODSS:** Ground Based Electro-Optical Deep Space Surveillance

HC: Office symbol for Chaplain Service

**HHQ:** higher headquarters [formerly used and obsolete]

**HLS:** homeland security

**HP:** health promotions

HPS/E: human performance, sustainment, and enhancement

**IA:** information attack

**IDMT:** independent duty medical technician

**IDT:** Infectious Disease Team

IFDO: Informational Flexible Deterrent Options

**IHS:** international health specialist

**IIW:** information-in-warfare

IL: Office symbol for Installations and Logistics

**IQT:** initial qualification training

**IRBM:** intermediate range ballistic missile

IRC: Internet Relay Chatter

**ISD:** Instructional System Development

**ISM:** information resource management

**ISR:** intelligence, surveillance, and reconnaissance

**ISvs:** information services

**IW:** information warfare

**IWF:** information warfare flight

IWO: information warfare organization

joint air operations plan [JP 1-02], joint air and space **JAOP:** operations plan [USAF], [formerly used and obsolete: JASOP, joint aerospace operations plan]

joint force air component commander [JP 1-02], joint air and space component commander [USAF], [formerly used and obsolete: JFASCC, joint force air and space component commander]

JIT: just in time

**JRMPO:** Joint Regional Medical Planning Office

JSAT: joint security assistance training

**JSOCC:** joint special operations component commander

JTA-AF: Joint Technical Architecture - Air Force

JTFEX: joint task force exercise

JTS: Joint Training System

LAF: line of the Air Force

LD/HD: low density/high demand

LTD: language training detachment

LTT: logistics team training

MAPE: monitor, assess, plan, and execute

MCC: medical control center

MCS: modular control system

**MET:** mission essential task

MFST: mobile field surgical team

**MLMC:** Medical Logistics Management Center

MoM: measure of merit

**MOOTW:** military operations other than war

MRBM: medium-range ballistic missile

NBCC: nuclear, biological, chemical, and conventional

National Command Authorities [formerly used and NCA: obsolete: correct use is President of United States or

Secretary of Defense as appropriate]

**NOSC-D:** Network Operations and Security Center (Deployable)

OCA: offensive counterair

**OCI:** offensive counterinformation

**OCS:** offensive counterspace

**OIW:** offensive information warfare

**ONIR:** overhead non-imaging infrared

**OOS:** on-orbit servicing

**ORI:** operational readiness inspection

**ORM:** operational risk management

PAM: preventive aerospace medicine

PARA: policy analysis resource allocation

**PCE:** professional continuing education

PCM: primary care management

**PD:** passive defense

**PNP:** precision navigation and positioning

PVO: private voluntary organization

RC: radio combat

**RCOT:** Reserve Commissioned Officer Training

**RFA:** request for federal assistance

**ROI:** reports of investigation

RSP: readiness spares packages

**RSVP:** Readiness Skills Verification Program

**SA:** strategic attack

**SAAM:** special assignment airlift mission

**SAC:** Strategic Air Command (formerly used and obsolete)

**SARDO:** search and rescue duty officer

**SLBM:** submarine-launched ballistic missile

**SME:** squadron medical element

**SOC:** space operations center

**SOLL:** special operations low level

**SPEARR:** small portable expeditionary aeromedical rapid response

SRC: search and rescue center

**SSA:** space situational awareness

**SSN:** space surveillance network

**STO:** space tasking order

**SWS:** space warning squadron

**TAV:** total asset visibility

**TBMCS:** tactical battle management core system

**TSG:** theater surgeon

TSW: Technology Seminar Wargame

**UE:** Operation UNIFIED ENDEAVOR

**UQT:** unit qualification training

**WMDT:** Wartime Medical Decontamination Team

WME: weapons of mass effect

WSSR: weapon system safety rule

**XOF:** Office symbol for Security Forces

#### **Definitions**

#### active air defense

Direct defensive action taken to destroy, nullify, or reduce the effectiveness of hostile air and missile threats against friendly forces and assets. It includes the use of aircraft, air defense weapons, electronic warfare, and other available weapons. (JP 1-02) [Direct defensive action taken to nullify or reduce the effectiveness of hostile air and missile threats against friendly forces and vital assets. It includes such measures as the use of aircraft, air defense weapons, weapons not used primarily in an air defense role, and electronic warefare.] [AFDD 2-1] {Words in brackets apply only to the Air Force and are offered for clarity.} [formerly active aerospace defense]

# active force protection

Measures to defend against or counter a perceived or actual threat and, if necessary, to deny, defeat, or destroy hostile forces in the act of targeting Air Force assets. [AFDD 2-4.1]

#### advanced cruise missile

An air-launched vehicle designed to deliver a nuclear warhead in an air-to-ground mission. Also called ACM. [AFDD 2-1.5]

## agile combat support

An Air Force core competency which encompasses the process of creating, sustaining, and protecting all aerospace capabilities to acomplish mission objectives across the spectrum of operations. Also called ACS. [AFDD 2-4]

## air and space expeditionary force

An organizational structure composed of force packages of capabilities that provides warfighting commanders with rapid and responsive air and space power. These force packages are tailored to meet specific needs across the spectrum of response options and will deploy within an Air and Space Expeditionary Task Force as air expeditionary wings (AEWs), groups (AEGs), or squadrons (AESs). [AFDD 2]

# air and space forces

Forces that operate within the air and space mediums. This includes

forces that control or support those forces. (AFDD 2)[formerly used and obsolete: aerospace forces]

# air and space maneuver

air and space maneuver. The employment of air and and space power to a positon of advantage to achieve strategic, operational, or tactical objectives in any order or combination. (AFDD 2) [formerly used and obsolete: aerospace maneuver]

# air and space power

The use of lethal and nonlethal means by air and space forces to achieve strategic, operational, and tactical objectives. (AFDD 2) [formerly used and obsolete: aerospace power]

## air and space PSYOP

Deliberate use of air and space power, in any of its lethal or nonlethal, kinetic or nonkinetic, forms to achieve a psychological balance advantageous to friendly forces and objectives. PSYOP may be used offensively or defensively depending on the commander's intent and the current situation. [AFDD 2-5]

## air and space superiority

That degree of dominance in the air and space battle of one force over another which permits the conducts of operations by the former and its related land, sea, air and space forces at a given time and place without prohibitive interference by the opposing force. [AFDD 2-2]

## air campaign

A connected series of operations conducted by air forces to achieve joint force objectives within a given time and area. [AFDD 2]

#### Air Force task list

The comprehensive framework that expresses all Air Force activities contributing to the defense of the nation and its national interests. [AFDD 1-1]

#### air interdiction

Air operations conducted to destroy, neutralize, or delay the enemy's military potential before it can be brought to bear effectively against

friendly forces at such distance from friendly forces that detailed integration of each air mission with the fire and movement of friendly forces is not required. (JP 1-02) [Includes both lethal and nonlethal systems, is employed to destroy, disrupt, divert, or delay the enemy's surface military potential before it can effectively engage friendly forces, or otherwise achieve its objectives.] [AFDD 2-1.3] {Words in brackets apply only to the Air Force and are offered for clarity.}

# air operations center

The principal air operations installation from which aircraft and air warning functions of combat air operations are directed, controlled, and executed. It is the senior agency of the Air Force Component Commander from which command and control of air operations are coordinated with other components and Services. Also called AOC. (JP 1-02) [air and space operations center. Operational campaign planning and execution is conducted through the air and space operations center (AOC). The air and space component commander uses the AOC, which the Air Force considers a weapon system, to command and control the integrated air and space effort to meet the joint force commander's objectives.] [AFDD 2] {Words in brackets apply only to the Air Force and are offered for clarity.}

# air-launched cruise missile

An air-launched vehicle designed to deliver a nuclear warhead in an air-to-ground mission. Also called ALCM. [AFDD 2-1.3]

## airbase defense

Those measures taken to nullify or reduce the effectiveness of enemy attacks on, or sabotage of, airbases to ensure the senior commander retains the capability to accomplish assigned missions. [AFDD 2-4.1]

#### airlift

Operations to transport and deliver forces and materiel through the air in support of strategic, operational, or tactical objectives. [AFDD 2-6.1]

## **battlespace**

The environment, factors, and conditions which must be understood to successfully apply combat power, protect the force, or complete the mission. This includes the air, land, sea, space, and the included enemy and friendly forces, facilities, weather, terrain, the electromagnetic spectrum, and information environment within the operational areas and

areas of interest. (JP 1-02) [The commander's conceptual view of the area and factors which he must understand to successfully apply combat power, protect the force, and complete the mission. It encompasses all applicable aspects of air, sea, space, and land operations that the commander must consider in planning and executing military operations. The battlespace dimensions can change over time as the mission expands or contracts, according to operational objectives and force composition. Battlespace provides the commander a mental forum for analyzing and selecting courses of action for employing military forces in relationship to time, tempo, and depth.] [AFDD 1] {Words in brackets apply only to the Air Force and are offered for clarity.}

# capabilities task

A task adopted/adapted from existing or emerging doctrine or directives, either Air Force or Department of Defense, which supports a core task. [AFDD 1-1]

## centers of gravity

Those characteristics, capabilities, or localities from which a military force derives its freedom of action, physical strength, or will to fight. (JP 1-02) [They exist at the strategic, operational, and tactical levels of war.] [AFDD 1] {Words in brackets apply only to the Air Force and are offered for clarity.}

#### centralized control

In air defense, the control mode whereby a higher echelon makes direct target assignments to fire units. (JP 1-02) [In aerospace employment, centralized control is the vesting of authority in a single commander for planning and directing operations. Centralizing the planning and directing of operations that enables timely allocation and tasking of assets to exploit the speed, range, and flexibility of air capabilities across the entire area. Centralizing the tasking and allocating of resources is accompanied by progressive decentralization of tasks' execution to the lowest command echelons capable of accomplishment. In centralized control, authority may be progressively delegated to subordinate echelons as opposed to command by negation that progressively pulls authority back from subordinate echelons, as required. In air defense, centralized control is the control mode whereby a higher echelon makes direct target assignments to fire units. Identification and engagement authority may be delegated to the regional air defense commander or sector air defense commander during joint engagement zone centralized control operations.] [AFDD 2-1] {Words in brackets apply only to the Air Force and are offered for clarity.}

#### civil environment

The civil environment includes factors related to a people, their government, politics, culture, and economy. The organization of the civil environment includes the major subcategories of political policies, culture, and economy. [AFDD 1-1]

# combat recovery

The act of retrieving resources while engaging enemy forces. [AFDD 2-7]

# computer network attack

Operations to disrupt, deny, degrade, or destroy information resident in computers and computer networks, or the computers and networks themselves. Electronic attack (EA) can be used against a computer, but it is not computer network attack (CNA). CNA relies on the data stream to execute the attack while EA relies on the electromagnetic spectrum. An example of the two operations is the following: sending a code or instruction to a central processing unit that causes the computer to short out the power supply is CNA. Using an electromagnetic pulse device to destroy a computer's electronics and causing the same result is EA. [AFDD 2-5]

## condition

Those variables of an operational environment or situation in which a unit, system, or individual is expected to operate and may affect performance. See also joint mission-essential tasks; standard. [AFDD 1]

# continuation training

Training to maintain basic skill proficiency or improve the capability of individuals to perform the unit mission. [AFDD 2-4.3]

## core competency

The basic areas of expertise or the specialties that the Air Force brings to any activity across the spectrum of military operations whether as a single Service or in conjunction with the core competencies of other Services in joint operations. Core competencies represent both air and space power application theory and physical capability represented in a well-trained and equipped air force. [AFDD 1]

#### core task

A task adapted from the Air Force core competencies or their command and control. [AFDD 2-8]

#### core values

The Air Force core values are values for service, values for life, and must be reflected in everything that we do. Those core values are integrity first, service before self, excellence in all we do. [AFDD 1]

#### counterair

A mission that integrates offensive and defensive operations to attain and maintain a desired degree of air superiority. Counterair missions are designed to destroy or negate enemy aircraft and missiles, both before and after launch. (JP 1-02) [Counterair integrates and exploits the mutually beneficial effects of offensive and defensive operations by fixed- and rotary-wing aircraft, surface-to-air and air-to-air missiles, antiaircraft guns, artillery, and electronic warfare to destroy or neutralize enemy aircraft and missile forces both before and after launch.] [AFDD 2-1.1] {Words in brackets apply only to the Air Force and are offered for clarity.}

#### counterinformation

Counterinformation seeks to establish a desired degree of control in information functions that permits friendly forces to operate at a given time or place without prohibitive interference by the opposing force. Counterinformation can be applied in an offensive (called OCI) or defensive (called DCI) manner. [AFDD 2-5]

### counterland

Operations conducted to attain and maintain a desired degree of superiority over surface operations by the destruction, disrupting, delaying, diverting, or other neutralization of enemy forces. The main objectives of counterland operations are to dominate the surface environment and prevent the opponent from doing the same. [AFDD 2-1.3]

## counterproliferation

Counterproliferation refers to the activities of the full range of US efforts to combat proliferation, including diplomacy, arms control, export controls, and intelligence collection and analyses, with particular responsibility for assuring that US forces and interests can be protected should they confront an adversary armed with weapons of mass

#### countersea

Operations counducted to attain and maintain a desired degree of superiority over maritime operations by the destruction, disrupting, delaying, diverting, or other neutralization of enemy naval forces. The main objectives of countersea operations are to dominate the maritime environment and prevent the opponent from doing the same. [AFDD 2-1.4]

# counterspace

Those offensive and defensive operations conducted by air, land, sea, space, special operations, and information forces with the objective of gaining and maintaining control of activities conducted in or through the space environment. [AFDD 2-2]

#### countervalue

The employment of strategic air and missile forces in an effort to destroy, or render impotent, selected industrial and economic capabilities of an enemy force under any of the circumstances by which hostilities may be initiated. [AFDD 2-1.5]

## criterion

A criterion defines acceptable levels of performance. It is often expressed as a minimum acceptable level of performance. The combination of the measure and the criterion comprise the standard for a task. [AFDD 1-1]

## defensive counterair

All defensive measures designed to detect, identify, intercept, and destroy or negate enemy forces attempting to attack or penetrate the friendly air environment. Also called DCA. See also counterair; offensive counterair. (JP 1-02) [Defensive counterair operations are synonymous with air defense operations. Defensive counterair encompasses both active and passive measures and is normally conducted near or over friendly territory and generally reacts to the initiative of enemy forces.] [AFDD 2-1.1] {Words in brackets apply only to the Air Force and are offered for clarity.}

## defensive counterinformation

Activities which are conducted to protect and defend friendly information

## direct effect

Result of actions with no intervening effect or mechanism between act and outcome. Direct effects are usually immediate and easily recognizable. [AFDD 2-1]

# distributed operations

The process of conducting operations from independent or interdependent nodes in a teaming manner. Some operational planning or decision-making may occur from outside the joint area of operations. The goal of a distributed operation is to support the operational commander in the field; it is not a method of command from the rear. See also split operations. [AFDD 2-8]

#### **Effects**

Physical and/or psychological outcomes, events, or consequences that result from a specific military action. They may occur at all levels of war and can produce follow-on outcomes. [AFDD 2-5]

#### effects-based

Military actions, such as operations, targeting, or strategy, that are designed to produce distinctive and desired results. [AFDD 2-1]

## equip task

A task that provides materiel forces and maintains that equipment for the appropriate forces. [AFDD 1-1]

## force health protection

A comprehensive threat-based program directed at preventing and managing health-related actions against Air Force uncommitteed combat power. [AFDD 2-4.2]

# force protection

Security program designed to protect Service members, civilian employees, family members, facilities, and equipment, in all locations and situations, accomplished through planned and integrated application of combating terrorism, physical security, operations security, personal protective services and supported by intelligence, counterintelligence, and

other security programs. (JP 1-02) [The prevention of successful hostile actions against friendly combat power while it is not directly engaged with the enemy. Force protection measures may be defensive (passive and active) or offensive, and include the actions of every element of a combat force, encompassing the supporting community and individuals.] [AFDD 2-4.1] {Words in brackets apply only to the Air Force and are offered for clarity.}

# foreign military financing

The component of security assistance that enables friends and allies of the United States to improve their self-defense capabilities by financing their acquisition of US military articles, services, and training. Also called FMF. [AFDD 2-3.1]

## **fusion**

In intelligence usage, the process of examining all sources of intelligence and information to derive a complete assessment of activity. (JP 1-02) [Process of combining/aggregating data to derive a more complete assessment of a specific capability, action, or situation.] [AFDD 2-5] {Words in brackets apply only to the Air Force and are offered for clarity.}

# indirect support

Denotes security assistance and other efforts to develop and sustain hostnation capabilities. It also establishes a distinction between security assistance and forms of support involving direct operational employment of US forces. [AFDD 2-3.1]

#### information attack

An activity taken to manipulate or destroy an adversary's information systems without visibly changing the physical entity within which it resides. [AFDD 2-5]

## information operations

Actions taken to affect adversary information and information systems while defending one's own information and information systems. Also called IO. (JP 1-02) [Those actions taken to gain, exploit, defend, or attack information and information systems and include both information-in-warfare and information warfare.] [AFDD 2-5] {Words in brackets apply only to the Air Force and are offered for clarity.}

#### information services

Air Force information services provide the infrastructure, communications pathways, computing power, applications support, information management, and network operations to make the global information grid a reality. Elements of ISvs include: information assurance; applications; spectrum management; information resource management; establishment, operation, and sustainment of network; and information technology infrastructure. Also called ISvs. [AFDD 2-5]

# information superiority

That degree of dominance in the information domain which permits the conduct of operations without effective opposition. Also called IS. (JP 1-02) [That degree of dominance in the information domain, which allows friendly forces the ability to collect, control, exploit, and defend information without effective opposition.] [AFDD 2-5] {Words in brackets apply only to the Air Force and are offered for clarity.}

#### information warfare

Information operations conducted during time of crises or conflict to achieve or promote specific objectives over a specific adversary or adversaries. Also called IW. (JP 1-02) [Information operations conducted to defend one's own information and information systems, or to attack and affect an adversary's information and information systems.] [AFDD 2-5] {Words in brackets apply only to the Air Force and are offered for clarity.}

#### information-in-warfare

IIW is a set of aerospace information operations functions that provides commanders battlespace situational awareness across the spectrum of conflict and range of air and space operations. IIW functions involve the Air Force's extensive capabilities to provide awareness throughout the range of military operations based on integrated intelligence, surveillance, and reconnaissance (ISR) assets; its information collection/dissemination activities; and its global navigation and positioning, weather, and communications capabilities. Also called IIW

## intelligence, surveillance, and reconnaissance

Integrated capabilities to collect, process, exploit and disseminate accurate and timely information that provides the battlespace awareness necessary to successfully plan and conduct operations. [AFDD 2-5.2]

#### interference

Interference is any electrical disturbance that causes undesirable responses in electronic equipment. [AFDD 2-5.1]

# internal development

Actions taken by a nation to promote its growth by building viable institutions (political, military, economic, and social) that respond to the needs of its society. [AFDD 2-3.1]

#### intertheater airlift

[Formerly called strategic airlift]. The common-user airlift linking theaters to the continental United States and to other theaters as well as the airlift within the continental United States. The majority of these air mobility assets is assigned to the Commander, United States

Transportation Command. Because of the intertheater ranges usually involved, intertheater airlift is normally conducted by the heavy, longer range, intercontinental airlift assets but may be augmented with shorter range aircraft when required. See also intratheater airlift. [JP 1-02] [Also includes airlift that operates between the continental United States and a theater or between theaters.] AFDD 2-6.1] {Words in brackets apply only to the Air Force and are offered for clarity.}

#### intratheater airlift

[Formerly called theater airlift] Airlift conducted within a theater. Assets assigned to a geographic combatant commander or attached to a subordinate joint force commander normally conduct intratheater airlift operations. Intratheater airlift provides air movement and delivery of personnel and equipment directly into objective areas through air landing, airdrop, extraction, or other delivery techniques as well as the air logistic support of all theater forces, including those engaged in combat operations, to meet specific theater objectives and requirements. During large-scale operations, US Transportation Command assets may be tasked to augment intratheater airlift operations, and may be temporarily attached to a joint force commander. Formerly referred to as theaterairlift. See also intertheater airlift. [JP 1-02] [The common-user air transportation and delivery of personnel and equipment within a combantant commander's area of operations.] [AFDD 6-1] {Words in brackets apply only to the Air Force and are offered for clarity.}

## intrusion

Movement of a unit or force within another nation's specified operational area outside of territorial seas and territorial airspace for surveillance or

intelligence gathering in time of peace or tension. (JP 1-02) [Intrusion is intentionally inserting electromagnetic energy into transmission paths in any manner. The object is to deceive equipment operators or cause confusion. The enemy conducts intrusion operations against us by inserting false information into our receiver paths. This false information may consist of voice instructions, ghost targets, coordinates for fire missions, or even rebroadcasting or prerecorded data transmissions.] [AFDD 2-5.1] {Words in brackets apply only to the Air Force and are offered for clarity.}

# joint air operations center

A jointly staffed facility established for planning, directing, and executing joint air operations in support of the joint force commander's operation or campaign objectives. Also called JAOC. (JP 1-02) [Joint operational campaign planning and execution is conducted through the joint air and space operations center (AOC). The joint air and space component commander (JFACC) uses the JAOC to command and control the integrated air and space effort to meet JFC objectives.] [AFDD 2] {Words in brackets apply only to the Air Force and are offered for clarity.}

# joint force air component commander

The joint force air component commander derives authority from the joint force commander who has the authority to exercise operational control, assign missions, direct coordination among subordinate commanders, redirect and organize forces to ensure unity of effort in the accomplishment of the overall mission. The joint force commander will normally designate a joint force air component commander. The joint force air component commander's responsibilities will be assigned by the joint force commander (normally these would include, but not be limited to, planning, coordination, allocation, and tasking based on the joint force commander's apportionment decision). Using the joint force commander's guidance and authority, and in coordination with other Service component commanders and other assigned or supporting commanders, the joint force air component commander will recommend to the joint force commander apportionment of air sorties to various missions or geographic areas. Also called JFACC. (JP 1–02) [The joint air and space component commander (JFACC) uses the JAOC to command and control the integrated air and space effort to meet JFC objectives. This title captures the Air Force position that air power and space power together create effects that cannot be achieved through air or space power alone.] [AFDD 2] {Words in brackets apply only to the Air Force and are offered for clarity.

A three-dimensional area reference that enables timely, effective coordination and control and facilitates rapid attacks. (JP 1-02) [A generic term for a preplanned airspace control measure and/or a fire support coordination measure used by the joint force to integrate and synchronize air and surface operations and deconflict joint fires in an expedient manner or on an asymmetric battlefield.] [AFDD 2-1.3] {Words in brackets apply only to the Air Force and are offered for clarity.}

#### leader

One who takes responsibility and is able to motivate others to accomplish a mission or objective. [AFDD 2-4.3]

#### link element

The means (electromagnetic energy) used to convey data and information between the space element and the terrestrial element of a space system. (JP 1-02) [The electromagnetic energy used to convey data and information between the space element and the terrestrial element and between terrestrial-based elements.] [AFDD 2-2] {Words in brackets apply only to the Air Force and are offered for clarity.}

## meaconing

A system of receiving radio beacon signals and rebroadcasting them on the same frequency to confuse navigation. The meaconing stations cause inaccurate bearings to be obtained by aircraft or ground stations. (JP 1-02) [Successful enemy meaconing causes: 1. Aircraft to be lured into hot landing zones or enemy airspace 2. Bombers to expend ordnance on false targets. 3. Ground stations to receive inaccurate bearings or position locations.] [AFDD 2-5.1] {Words in brackets apply only to the Air Force and are offered for clarity.}

#### measure

A measure provides the basis for describing varying levels of task performance. A measure is directly related to a task. [AFDD 1-1]

# measurement package

A measurement system comprised of an operational words, the actual measurement, and the presentation of the results. [AFDD 1-1]

# military environment

The military environment includes factors related to military forces. The

organization of the military environment includes the major subcategories of mission; forces; command, control, and communications; intelligence; deployment, movement, and maneuver; combat; protection; sustainment; threat; and conflict. [AFDD 1-1]

# military operations other than war

Operations that encompass the use of military capabilities across the range of military operations short of war. These military actions can be applied to complement any combination of the other instruments of national power and occur before, during, and after war. Also called MOOTW. [JP 1-02] [An umbrella term encompassing a variety of military operations conducted by the Department of Defense that normally complement the other instruments of national power. These military operations are as diverse as providing support and assistance (when consistent with US law) in a non-threatening environment, and conducting combat not associated with war.] [AFDD 2-3] {Words in brackets apply only to the Air Force and are offered for clarity.}

# military space forces

Those systems and associated infrastructure which establish space power and are employed by the military to achieve national security objectives. Space forces include space-based systems, ground-based systems for tracking and controlling objects in space and transiting through space, launch systems that deliver space elements, and people who operate, maintain, or support those systems. [AFDD 2-2]

## mission essential task

A task selected or expanded on from the Air Force Task List (AFTL) as a fundamental requisite for the performance or accomplishment of an organization's assigned mission. Also called MET. [AFDD 1-1]

#### mission essential task list

A complete list of mission essential tasks (MET) for any organization. Also called METL. [AFDD 1-1]

## mutual assured destruction

A theory of nuclear deterrence which is based on the premise that neither opponent will initiate a nuclear attack because the ensuring conflict would be unrestrained and would destroy both nations. [AFDD 2-1.5]

## navigation and positioning

Those operations that provide accurate location and time of reference in support of strategic, operational, and tactical missions. [AFDD 2-2]

#### offensive counterair

Offensive operations to destroy, disrupt, or neutralize enemy aircraft, missiles, launch platforms, and their supporting structures and systems both before and after launch, but as close to their source as possible. Offensive counterair operations range throughout enemy territory and are generally conducted at the initiative of friendly forces. These operations include attack operations, fighter sweep, escort, and suppression of enemy air defenses. Also called OCA. See also counterair; defensive counterair; operation. Also called OCA. (JP 1-02) [Offensive counterair operations range throughout enemy territory and are generally conducted at the initiative of friendly forces.] [AFDD 2-1.1] {Words in brackets apply only to the Air Force and are offered for clarity.}

## offensive counterinformation

Offensive information operations and information warfare activities which are conducted to control the information environment by denying, degrading, disrupting, destroying, and deceiving the adversary's information and information systems. Also called OCI. [AFDD 2-5]

## offensive force protection

Proactive measures taken to deny, defeat, or destroy hostile forces who currently are not committeed to direct hostile activity but whose intent is to target Air Force assets not currently engaged in combat operations. [AFDD 2-4.1]

## **OODA Loop**

A theory developed by Col. John Boyd (USAF, Ret.) contending that one can depict all rational human behavior, individual and organizational, as a continual cycling through four distinct tasks: observation, orientation, decision, and action. [AFDD 1]

# operational risk management

The systematic process of identifying hazards, assessing risks, analyzing risk control measures, making control decisions, implementing risk controls, and supervising and reviewing the process. Commanders accept the residual risks. [AFDD 2-8]

## passive defense

Measures taken to reduce the probability of and to minimize the effects of damage caused by hostile action without the intention of taking the initiative. (JP 1-02) [To protect US, allied, and coalition forces against NBC effects, including measures to detect and identify NBC agents, individual and collective protection equipment, NBC medical response, vaccines for BW defense, and NBC decontamination capabilities.] [AFDD 2-1.8] {Words in brackets apply only to the Air Force and are offered for clarity.}

# passive force protection

Measures to negate or reduce the effects of hostile acts on Air Force assets by making them more survivable. This can be proactively accomplished through training, education, hardening, camouflage, concealment, deception, information security, and low/zero observable execution. [AFDD 2-4.1]

## performance task

A task that performs or provides the activity implied by its associated capability task. [AFDD 1-1]

# physical attack

The means to disrupt, damage, or destroy targets through the conversion of stored energy into destructive power. [AFDD 2-5]

## physical environment

The physical environment includes factors arising from nature and the physical environment as modified by man. The organization of the physical environment includes the major subcategories of land, sea, air and space. [AFDD 2-2]

## plan task

A task that considers all the particulars associated with the optimum utilization of a performed task and produces the neessary products to ensure effectiveness of performance task functions is maximized. [AFDD 1-1]

# positive control

A method of airspace control that relies on positive identification, tracking, and direction of aircraft within an airspace, conducted with electronic means by an agency having the authority and responsibility therein. (JP 1-02) [Also includes the use of design features, procedures, safety rules, or accident prevention or mitigation measures that reduce the likelihood, severity, or consequence of an accidental or deliberate threat invloving a nuclear weapon or nuclear weapon system.] [AFDD 2-1.7] {Words in brackets apply only to the Air Force and are offered for clarity.}

# positive identification

Identification is determined by visual recognition, electronic support systems, non-cooperative target recognition systems, identification friend or foe systems or other physics-based identification techniques. Positive identification does not assume identity solely based on location or adherence to airspace procedures. [AFDD 2-1.7]

## precept

A commandment or direction based on carefully worked out principles and meant as a rule of action or conduct. [AFDD 1]

# principle

A comprehensive and fundamental law, doctrine, or assumption. [AFDD 1]

## procedural identification

Identification is based on adherence to airspace control measures and rules. Identification is assumed to be friendly as long as rules are followed, but identification is assumed hostile if rules are not followed and the suspect vehicle is not otherwise positively identified. [AFDD 2-1.7]

## proliferation prevention

To deny attempts by would-be proliferants to acquire or expand their nuclear, biological and chemical (NBC) capabilities by: providing inspection, monitoring, verification, and enforcement support for nonproliferation treaties and NBC arms control regimes; support export control activities; assisting in the identification of potential proliferants before they can acquire or expand their NBC capabilities; and, if so directed by the President or Secretary of Defense, as appropriate, for planning and conducting denial operations. [AFDD 2-1.5]

Alternative distribution technique that requires formal requests from the tactical air control party (TACP) for CAS support, used when the decisive point on the battlefield cannot readily be determined. CAS missions may be scheduled to the Air Support Operations Center (ASOC) contact point or placed in on-call status. The ASOC "holds" the missions, and sends them forward to an approved target following TACP request and coordination at each Army echelon. [AFDD 2-1.3]

# push CAS

A proactive distribution technique design to concentrate CAS effects at the decisive point on the battlefield without a formal request. After CAS missions are allocated and flown as either scheduled or on-call sorties, the air support operations center "pushes" the aircraft forward to the tactical air control party based on the corps commander's weight of effort decision before receiving a formal CAS request. [AFDD 2-1.3]

# qualification training

Hands-on performance training that personnel design to qualify an airman in a specific position. This training occurs both during and after upgrade training to maintain up-to-date qualifications. [AFDD 2-4.3]

### reachback

The process of obtaining products, services, and applications or forces, equipment, or materiel from Air Force organizations that are not forward deployed. [AFDD 2-8]

## reliability orbit

Normal air refueling anchor areas dedicated for emergency air refueling with specific assigned altitutdes and procedures for both tankers and receivers. [AFDD 2-2]

## retrograde

Returning assets—particularly repairable parts—from the area of operations to their source of repair. [AFDD 2-4]

#### security assistance team

For purposes of Air Force Foreign Internal Defence doctrine, any team temporarily deployed by the United States Air Force to a recipient country to perform security assistance duties in behalf of the US government. [AFDD 2-3.1]

## security measures

The means to protect and defend information and information systems. Security measures include operations security and information assurance. [AFDD 2-5]

#### services

As related to security assistance, includes any service, test, inspection, repair, training, publication, technical or other assistance, or defense information used for the purpose of furnishing nonmilitary assistance under the Foreign Assistance Act (FAA) of 1961, as amended, or for making military sales under the US Arms Export Control Act of 1976, as amended. [AFDD 2-3.1]

### space assets

A generic term which may refer to any of the following individually or in combination: space systems, individual parts of a space system, space personnel, or supporting infrastructure. [AFDD 2-2]

# space capability

1. The ability of a space asset to accomplish a mission. 2. The ability of a terrestrial-based asset to accomplish a mission in space (e.g., a ground-based or airborne laser capable of negating a satellite). See also space; space asset. [JP 1-02] [The ability of a space asset or system to accomplish a mission.] [AFDD 2-2] {Words in brackets apply only to the Air Force and are offered for clarity.}

## space control

Combat, combat support, and combat service support operations to ensure freedom of action in space for the United States and its allies and, when directed, deny an adversary freedom of action in space. The space control mission area includes: surveillance of space; protection of US and friendly space systems; prevention of an adversary's ability to use space systems and services for purposes hostile to US national security interests; negation of space systems and services used for purposes hostile to US national security interests; and directly supporting battle management, command, control, communications, and intelligence. (JP 1-02) [Operations to assure the friendly use of the space environment while denying its use to the enemy. Achieved through offensive and defensive counterspace carried out to gain and maintain control of activities conducted in or through the space environment.] [AFDD 2-2] {Words in brackets apply only to the Air Force and are offered for clarity.}

## space element

A platform in which astrodynamics is the primary principle governing its movement through its environment. [AFDD 2-2]

## space forces

The space and terrestrial systems, equipment, facilities, organizations, and personnel necessary to access, use and, if directed, control space for national security. See also national security; space; space systems. (JP 1-02) [Operational military units which consist of some combination of space assets such as space-based and terrestrial equipment, facilities, organizations, and personnel used to exploit space for national security.] [AFDD 2-2] {Words in brackets apply only to the Air Force and are offered for clarity.}

## space power

The total strength of a nation's capabilities to conduct and influence activities, to, in, through, and from space to achieve its objectives. (JP 1-02) [This includes the capability to exploit space forces to support national security strategy and achieve national security objectives as well as the capability to exploit civil, commercial, intelligence, and national security space systems and associated infrastructure to support national security strategy and national objectives from peacetime through combat operations.] [AFDD 2-2] {Words in brackets apply only to the Air Force and are offered for clarity.}

### space superiority

The degree of dominance in space of one force over another that permits the conduct of operations by the former and its related land, sea, air, space, and special operations forces at a given time and place without prohibitive interference by the opposing force. (JP 1-02) [Also includes the degree of control necessary to employ, maneuver, and engage space forces while denying the same capability to an adversary.] [AFDD 2-2] {Words in brackets apply only to the Air Force and are offered for clarity.}

## space support

Combat support operations to deploy and sustain military and intelligence systems in space. The space support mission area includes launching and deploying space vehicles, maintaining and sustaining spacecraft on-orbit, and deorbiting and recovering space vehicles, if required. (JP 1`-02) [Those operations conducted with the objective of deploying, sustaining,

and augmenting elements or capabilities of military space systems. Space support consists of spacelift and on-orbit support.] [AFDD 2-2] {Words in brackets apply only to the Air Force and are offered for clarity.}

## space system

A system with a major functional component that operates in the space environment or which, by convention, is so designated. It usually includes a space element, a link element, and a terrestrial element. In addition, a space system may also consist of components that travel between space nodes, space to ground, ground to space, or ground to ground through space. [AFDD 2-2]

## special air mission

A mission that uses specially configured aircraft with extensive air-to-ground communications that provides support to the President and Vice President of the United States, Cabinet and congressional delegations, and other senior statesmen. Also called SAM. (Air Mobility Master Plan [AMMP] [AFDD 2-6.1]

# special assignment airlift mission

A mission operated by AMC (other than the 89th Military Airlift Wing) to satisfy a requirement needing special pickup/delivery at locations other than those established within the approved channel structure or, to satisfy a requirement needing special consideration because of the number of passengers, weight or size of cargo, urgency, or sensitivity of movement, or other special factors. Also called SAAM. (Air Mobility Master Plan [AMMP]) [AFDD 2-6.1]

## special operations low level

Selected airlift SOLL crews trained to augment core Air Force special operations forces by performing specialized low-level flight. SOLL are limited to a no-to-low threat environment during visual weather conditions. [AFDD 2-7]

# specialty training

The total training process (life cycle) used to qualify airmen in their assigned specialty. (AFI 36-2201) [AFDD 2-4.3]

# split operations

One type of distributed operations. It describes those distributed

operations conducted by a single command and control (C2) entity that is separated between two or more geographic locations. A single commander must have oversight of all aspects of a split C2 operation. [AFDD 2-8]

## storage

1. The retention of data in any form, usually for the purpose of orderly retrieval and documentation. 2. A device consisting of electronic, electrostatic, electrical, hardware or other elements into which data may be entered, and from which data may be obtained as desired. (JP 1-02) [Maintaining information for later retrieval and access by the user. Access to the stored data may be via remote or local means. This access may be by user retrieval or provided automatically by the storage system. Various media exist to store information including magnetic disk, laser optical disk, magnetic tapes, etc.] [AFDD 2-5] {Words in brackets apply only to the Air Force and are offered for clarity.}

## strategic assessment

The measurement of effects at the strategic level. Strategic assessment determines whether overall strategy is working and how well the strategic objectives of both sides are being achieved. [AFDD 2-1.2.]

## strategic attack

Strategic attack is offensive action conducted by command authorities aimed at generating effects that most directly achieve our national security objectives by affecting an adversary's leadership, conflict-sustaining resources, and/or strategy.(2002 Doctrine Symposium Definition)

### submarine-launched ballistic missile

A missile launched from a submarine, which does not rely upon aerodynamic surfaces to produce lift and consequently follows a ballistic trajectory when thrust is terminated. [AFDD 2-1.5]

# supporting task

A task that contributes to the accomplishment of a mission essential task. [AFDD 1-1]

#### sustainment

The provision of personnel, logistic, and other support required to

maintain and prolong operations or combat until successful accomplishment or revision of the mission or of the national objective. (JP 1-02) [The Air Force's ability to maintain operations once forces engage. Sustainment involves the provision of personnel, logistics, and other support required to maintain and prolong operations or combat until successful accomplishment or revision of the mission or of the national objective.] [AFDD 2-4] {Words in brackets apply to the Air Force and are offered for clarity.}

#### task

A task is a discrete event or action, not specific to a single unit, weapon system, or individual, that enables a mission or function to be accomplished—by individuals or organizations. [AFDD 1-1]

# technical training

Instruction and study designed to qualify individuals in their assigned specialty. [AFDD 2-4.3]

#### terrestrial element

The land-, sea-, or air-based equipment and personnel used to receive, transmit, and process data from, or to control, the space element of a space system. [AFDD 2-2]

#### total asset visibility

The capability to provide users with timely and accurate information on the location, movement, status, and identity of units, personnel, equipment, materiel, and supplies. It also includes the capability to act upon that information to improve overall performance of the Department of Defense's logistic practices. Also called TAV. (JP 1-02) [An integrated structure using a command and control process to ensure the quantity, condition, and location of critical assets are visible.] [AFDD 2-4] {Words in brackets apply to the Air Force and are offered for clarity.}

## two-person concept

Designed to prohibit access by an individual to nuclear weapons and certain designated components by requiring the presence at all times of at least two authorized persons, each capable of detecting an incorrect act or unauthorized procedure with respect to the task to be performed. [AFDD 2-1.5]

#### undersea warfare

Operations conducted to establish battlespace dominance in the underwater environment, which permits friendly forces to accomplish the full range of potential missions and denies an opposing force the effective use of underwater systems and weapons. It includes offensive and defensive submarine, antisubmarine, and mine warfare operations. Also called USW. [JP 1-02]

# **US** country team

The senior, in-country, US coordinating and supervising body, headed by the chief of the diplomatic mission, usually an ambassador, and composed of the senior member of each represented US department or agency, as desired by the chief of the US diplomatic mission. [AFDD 2.3.1]

#### weather services

A specialized task performed by air and space forces to provide timely and accurate environmental information to support strategic, operational, and tactical military operations. [AFDD 1]